

DEPARTMENT of ENVIRONMENTAL SERVICES  
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: STILL POND	Lake Area (ha):	4.61
Town: NEW BOSTON	Maximum depth (m):	---
County: Hillsborough	Mean depth (m):	---
River Basin: Merrimack	Volume (m <sup>3</sup> ):	---
Latitude: 43°00'19" N	Relative depth:	---
Longitude: 71°42'02" W	Shore configuration:	---
Elevation (ft): 550	Areal water load (m/yr):	---
Shore length (m): ---	Flushing rate (yr <sup>-1</sup> ):	---
Watershed area (ha): ---	P retention coeff.:	---
% watershed ponded: ---	Lake type:	natural

BIOLOGICAL:

7 July 1999

DOM. PHYTOPLANKTON (% TOTAL)	#1
	#2
	#3
PHYTOPLANKTON ABUNDANCE (units/mL)	
CHLOROPHYLL-A (µg/L)	
DOM. ZOOPLANKTON (% TOTAL)	#1
	#2
	#3
ROTIFERS/LITER	
MICROCRUSTACEA/LITER	
ZOOPLANKTON ABUNDANCE (#/L)	
VASCULAR PLANT ABUNDANCE	
SECCHI DISK TRANSPARENCY (m)	
BOTTOM DISSOLVED OXYGEN (mg/L)	
BACTERIA (E. coli, #/100 ml)	#1
	#2
	#3

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):  
Hypolimnion volume (m<sup>3</sup>) :  
Anoxic volume (m<sup>3</sup>) :

**CHEMICAL:**Lake: STILL POND  
Town: NEW BOSTON

7 July 1999

DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY ( $\mu$ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

**TROPHIC CLASSIFICATION: 1999**

D.O. S.D. PLANT CHL TOTAL CLASS

--	--	--	--	--	--

**COMMENTS:**

1. Still Pond was visited in 1999 and was determined to be more a wetland than a pond, and therefore was not sampled. The open water was surrounded by marshy and swampy wetlands, and all the land surrounding the pond is owned by one farmer. To access the pond, known locally as Nigger Pond, a 4-wheel drive road crosses the outlet stream. From here one must portage up the outlet flowage through the wetland to arrive at the pond.